PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file ref OSU 0010 PB	ACTION	Report (F item 5 bel	ication of Transmittal of International Search form PCT/ISA/220) as well as, where applicable, low.				
nternational application No. PCT/US03/32616	International filing date (15 October 2003 (15.10.		(Earliest) Priority Date (day/month/year) 15 October 2002 (15.10.2002)				
applicant THE OHIO STATE UNIVER	RSITY		,				
	copy is being transmitted to the Interr	national Bureau.	uthority and is transmitted to the applican				
It is also	accompanied by a copy of each prior	art document cited	in this report.				
	e language, the international search was h it was filed, unless otherwise indicated		basis of the international application in the				
Authority (Rule b. With regard to an	e 23.1(b)).	nce disclosed in the	international application furnished to this international application, the international				
contained in the	contained in the international application in written form.						
filed together v	filed together with the international application in computer readable form.						
furnished subse	furnished subsequently to this Authority in written form.						
furnished subse	furnished subsequently to this Authority in computer readable form.						
	hat the subsequently furnished written so pplication as filed has been furnished.	equence listing does	not go beyond the disclosure in the				
the statement the been furnished.		er readable form is in	dentical to the written sequence listing has				
. Certain claims	were found unsearchable (See Box I)						
	tion is lacking (See Box II).						
With regard to the title,							
—	the text is approved as submitted by the applicant.						
the text has bee	en established by this Authority to read a	as follows:					
. With regard to the absti	ract.						
	the text is approved as submitted by the applicant.						
	en established, according to Rule 38.2(b ath from the date of mailing of this inter		as it appears in Box III. The applicant ma rt, submit comments to this Authority.				
. The figure of the drawin	ngs to be published with the abstract is	Figure No. 7					
as suggested by		_	None of the figures				
because the app	licant failed to suggest a figure.						
	ure better characterizes the invention.						

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32616

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW ABSTRACT

The present invention discloses a corneal refractive procedure providing a customized transition zone. The customized transition zone provided according to the methods (900) and systems (1000) of the present invention exhibit continuous curvature between an ablated optical zone and a non-ablated zone to address curvature discontinuity at the edge of the optical zone, thereby minimizing the biomechanical response and its post-operative effects on vision.

INTERNATIONAL SEARCH REPORT

International application No.

	PCT/US		CT/US03/32616	
A. CLA	SSIFICATION OF SUBJECT MATTER			
IPC(7)	: A61B 18/18			
US CL	: 606/005 o International Patent Classification (IPC) or to both na	utional alassification and I	DC .	
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Electronic d	ata base consulted during the international search (nam	e of data base and, where	practicable, sear	ch terms used)
	UMENTS CONSIDERED TO BE RELEVANT			
Category *				Relevant to claim No.
Y,P US 6,547,393 B2 (Ruiz) 15 April 2003, see the entire document.			1-20	
Y.P US 6.530,917 B1 (Seiler et al.) 11 March 2003, see th		the entire document	antire document	
1,1	Y,P US 6,530,917 B1 (Seiler et al.) 11 March 2003, see the entire document.			
Y	Y US 6,331,177 B1 (Munnerlyn et al.) 18 December 2001, see the entire document.		ent.	1-20
Y	US 6,302,877 B1 (Ruiz) 16 October 2001, see the e	ntire document.		1-20
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Furthe	r documents are listed in the continuation of Box C.	See patent fan	ily annex.	
	Special categories of cited documents:		-	rnational filing date or priority
	•	date and not in o	onflict with the applic	ation but cited to understand th
	at defining the general state of the art which is not considered to be utar relevance	principle or theor	y underlying the inve	ntion
•		"X" document of part	icular relevance; the o	claimed invention cannot be
'E" earlier ag	optication or patent published on or after the international filing date			red to involve an inventive step
"L" document which may throw doubts on priority claim(s) or which is cited to				
establish the publication date of another citation or other special reason (as		"Y" document of part	cular relevance; the	claimed invention cannot be
specified		combined with o	ne or more other such	documents, such combination
O" documen	t referring to an oral disclosure, use, exhibition or other means	being obvious to	a person skilled in the	e art
	t published prior to the international filing date but later than the	"&" document membe	er of the same patent i	family
	date claimed			
Date of the a	ctual completion of the international search	Date of mailing of the i	nternational searc	ch report
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Co	mmissioner for Patents	Ahmed M Farah		
P.C Ale	D. Box 1450 exandria, Virginia 22313-1450	Telephone No. (703)30	5-3590	
	o. (703) 305-3230			
orm PCT/IS	A/210 (second sheet) (July 1998)			

NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicator's Guidee, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all purts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g., the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in smooth States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.